

C24
X
OCT 07 1986

Ms Elsie Pendergraft
RR #1
Webb City, Missouri 64870

Site	Orange Township
ID #	MOD980686281
Br	1.3
Other	EPA
	10-7-86

Dear Ms Pendergraft

Enclosed is a copy of the analytical results and field sheet for the water sample collected from the well on your property in August 1986. The sample was taken by Jeff Weatherford of the United States Environmental Protection Agency (EPA). This sampling is a followup of the Tri-State Mining District (ID # MOD980686281) sampling conducted in February 1986.

We have reviewed the analytical results from your well and have found that the levels of cadmium detected in that sample continue to exceed EPA's Primary Drinking Water Standards. Because the levels of this metal continue to exceed these standards, you may want to consider an alternative drinking water supply. The other metals identified in your sample continue to be at normal or background levels.

A key for interpreting the letter codes on the analysis report and a map showing the sample location are also included. If you have any questions, please contact Gene Gunn of my staff at 913/236-2860.

The EPA has no jurisdiction over private well supplies. If you have any questions regarding your well water, I suggest that you contact Dr. John Bagby, Ph.D., with the Missouri Department of Health. Dr. Bagby's phone number is 314/751-1003. His address is

Dr. John Bagby, Ph.D.
Missouri Department of Health
1730 E. Elm
Jefferson City, Missouri 65102

Sincerely yours,

Robert L. Morby
Chief, Superfund Branch
Waste Management Division

Enclosures

cc R Stan Jorgensen, MDNR (w/enclosures)
Mr William Gory, Jasper County Health Department
Dr John Bagby, Ph.D., MDOH (w/enclosures)

bcc Rowena Michaels, PBAF, Ron Ritter, CIGL;
Ralph Langemeier, DRNK;

40113986



SUPERFUND RECORDS

WSTM SPFD TECH FLEMING ch. x671 7/25/86 Fleming disk 1 redraft 9/25/86 odw (du)

TECH
Gunn

TECH
Skowronski

TECH
Herndon

SPFD
Morby

DRNK
Langemeier

gr
10/1/86

E 98
10/2/86

10/2/86

MORBY
10/6/86

ag 10/6/86

EPA REGION VII
DATA QUALIFICATION CODES

- U - Compound was not detected
- M - Compound was qualitatively identified, however, quantitative value is less than contract required detection limits (CLP data), or value is less than limit of quantitation (EPA data)
- J - Compound was qualitatively identified, however, compound failed to meet all QA criteria and therefore is only an estimated value
- I - Analysis attempted, but no results can be reported
- O - Sample lost or not analyzed
- L - Value known to be higher than value reported

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Tri State Mining - Jasper

Site Number 36

Location Joplin, MO (Jasper County)

Site Code

Collected YR 86 MO 08 Day 13 Time 1730 Leader Weatherford

Sample Number LKJ36001

SMD #

Sample Media (circle one)

SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER

Sample Split (circle one)

YES

NO

Sample Container

Tag Color

Preservative

Analysis Requested

1 liter Cubitamer

White

HNO₃, Ice

Total Metals

Depth N/A

Par # N/A

Aliquots N/A

Samplers Weatherford

Doherty

COMMENTS OF FIELD PERSONNEL

Site Description Elsie Pendergraft well - resample
showed high cadmium - 11 ug/L

LOW HAZARD

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Tri-state Mining - Jasper Site Number 36
Location Joplin, MO (Jasper County) Site Code

Collected YR 86 MO 08 Day 13 Time 1731 Leader Weatherford

Sample Number CKJ360010 SMO #

Sample Media (circle one)
SOIL, DUST, RINSATE, SEDIMENT, WATER OTHER

Sample Split (circle one) YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
1 Liter Cubitainer	White	HNO ₃ , Ice	Total Metals

Depth N/A Pan # N/A Aliquots N/A

Samplers Weatherford

Doherty

COMMENTS OF FIELD PERSONNEL

Site Description Elsie Pendergraft - Duplicate Sample

LOW HAZARD

ANALYSIS TYPE TOTAL METALS

TITLE, TRI-STATE MINING-CHEROKEE CO

MATRIX, WATER

LAB, EPA REGION VII

METHOD, 2001W77

SAMPLE REF ----- ANALYST/ENTRY GLM

REVIEWER -----

DATE, 08/21/86

SAMPLE NUMBERS

CNJ36001

CNJ36001D

ELEMENT	UNITS				
SILVER	UG/L	10	U	10.	U
ALUMINUM	UG/L	50	U	50	U
ARSENIC	UG/L	50	U	50	U
BARIUM	UG/L	60		59	
BERYLLIUM	UG/L	2	U	2.	U
CADMIUM	UG/L	11		12	
COBALT	UG/L	10	U	10	U
CHROMIUM	UG/L	10.	U	10	U
COPPER	UG/L	10	U	12	
IRON	UG/L	79		50	U
MANGANESE	UG/L	10		11	
MOLYBDENUM	UG/L	10	U	10.	U
NICKEL	UG/L	48		46	
LEAD	UG/L	50	U	50	U
ANTIMONY	UG/L	50	U	50	U
SELENIUM	UG/L	50	U	50	U
TITANIUM	UG/L	50	U	50	U
THALLIUM	UG/L	300	U	300	U
VANADIUM	UG/L	10.	U	10.	U
ZINC	UG/L	1700		1700	
CALCIUM	MG/L	79		80	
MAGNESIUM	MG/L	2.	U	2.	U
SODIUM	MG/L	8 7		8 9	
POTASSIUM	MG/L	2	U	3.3	

WEBB CITY QUADRANGLE
MISSOURI-JASPER CO
7.5 MINUTE SERIES (TOPOGRAPHIC)

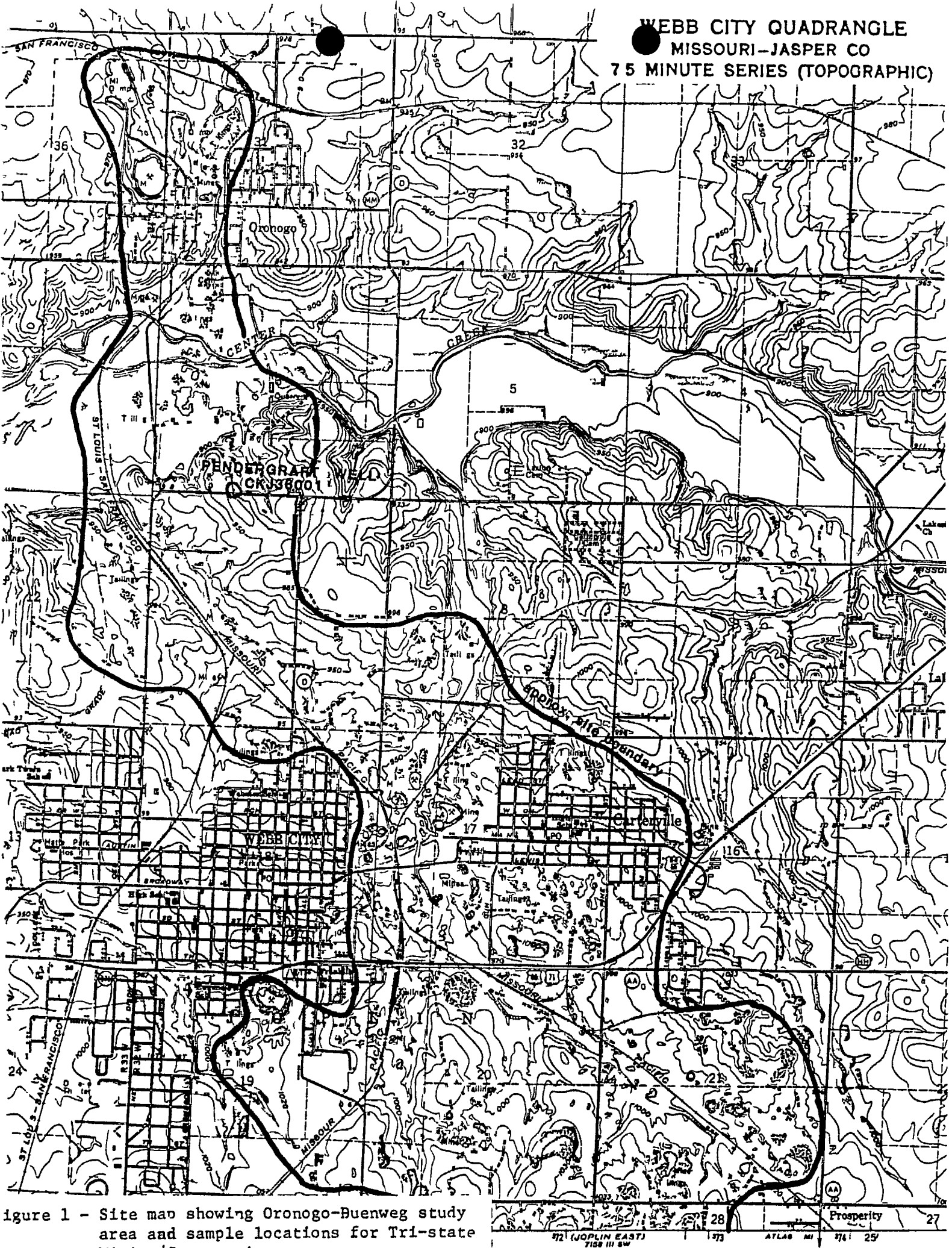


Figure 1 - Site map showing Oronogo-Buenweg study area and sample locations for Tri-state Mining/Jasper site